

AMENDMENTS TO THE SPECIFICATION

Please substitute the following Abstract for the previously filed Abstract:

Abstract

A corrosion-inhibiting composition for application to a metal substrate, such as aluminum or steel, and in connection with a paint, and the synthesis of the composition. The active inhibitor constituent of the composition can be selected from the group consisting of 2,5-dimercapto-1,3,4 thiadiazole (DMTD), 2,4-dimercapto-s-triazolo-[4,3-b]-1,3,4-thiadiazole, trithiocyanuric acid (TMT), and derivatives of DMTD and TMT, including various N- or S- and N, N-, S- and N,S-substituted derivatives of DMTD, including salts of DMTD of the general formula: $M(\text{DMTD})_n$, where $n = 1, 2$ or 3 , and M is a metal cation and preferably $M = \text{Zn(II)}$, Bi(III) , Co(II) , Ni(II) , Cd(II) , Pb(II) , Ag(I) , Sb(III) , Cu(II) , Li(I) , Ca(II) , Sr(II) , Mg(II) , La(III) , Ce(III) , Pr(III) , Al(III) or Zr(IV) . DMTD, TMT, and their derivatives may also be combined with phosphates, molybdates, borates, silicates, tungstates, phosphotungstates, phosphomolybdates, cyanamides, carbonates, SiO_2 and mixtures thereof.